TS-C4

Miniware replacement soldering tip
for the TS100 and TS101 soldering irons



Disconnect the soldering iron from power and let the tip cool down before changing the tip. Read this manual and keep it for future reference.

User manual · www.rotorama.com

Contents

1. Product description

1.1 What it is for

1.2 Technical data and package contents

2. Use

2.1 Safety instructions

2.2 Changing the tip

2.3 Soldering and tip care

2.4 Troubleshooting

3. Information for the EU and Czech Market

3.1 Importer and responsible person in the EU

3.2 Disposal

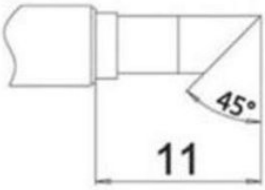
4. Warranty and rights arising from defective performance

1. Product description

1.1 What it is for

The Miniware TS-C4 is a replacement tip for the Miniware **TS100** and **TS101** soldering irons. The working end of the tip is bevel-cut at an angle of 45°. The tip and the heating element form a single unit – when you change the tip, you also change the heating element.

Thanks to its large contact surface, the bevel tip transfers heat well. It is therefore suitable for soldering wires, connectors and larger solder pads – for example when attaching power leads or battery connectors. You can use the tip instead of another tip type or as a replacement for a worn tip of the same type.



Shape of the TS-C4 working end (manufacturer's drawing, dimension in mm)

1.2 Technical data and package contents

Product designation	**TS-C4**
Manufacturer	Miniware
Compatible soldering irons	Miniware TS100, Miniware TS101
Tip shape	bevel, cut angle 45°
Working end length (drawing)	11 mm
Total length	105.5 mm
Weight	11 g
Design	tip with integrated heating element
Package contents	1× TS-C4 tip
Not included	soldering iron, power supply, solder, flux, cleaning sponge, stand

2. Use

2.1 Safety instructions

- During operation the tip heats up to a very high temperature and stays hot for a long time after switching off. **Do not touch the metal part of the tip** while soldering or immediately afterwards.
- Change the tip **only when the iron is disconnected from power** and the tip has cooled down completely.
- Never leave a switched-on iron unattended. Place it in a stand, away from flammable materials, cables and out of the reach of children.
- Do not work in a humid environment or with wet hands, and do not work in an environment with a risk of fire or explosion.
- Soldering produces flux fumes. Work in a well-ventilated area, ideally with fume extraction.
- Use the tip only with the soldering irons it is intended for (TS100, TS101) and in accordance with the manual of the respective iron.

2.2 Changing the tip

Procedure for the **TS100** soldering iron according to the iron manufacturer's manual:

① Disconnect the iron from power and let the fitted tip cool down completely.

② Loosen the tip setscrew on the iron.

③ Pull out the old tip.

④ Insert the TS-C4 tip with its connector end (white ceramic end) into the iron as far as it will go.

⑤ Tighten the screw again.

- If the TS100 displays the message **Sen-err** after switching on, the tip is not installed properly – disconnect the iron, pull the tip out, insert it again as far as it will go and tighten the setscrew.
- If you are going to run the automatic calibration of the iron, insert the tip before starting it (the calibration procedure is described in the iron's manual).
- For the **TS101** iron, follow that iron's manual when changing the tip.

2.3 Soldering and tip care

- Tin a new tip immediately after it first heats up – apply a little solder to the working surface. The tip then wets better and oxidises more slowly.
- Place the bevelled face of the tip flat against the joint so that heat is transferred as quickly as possible.
- Wipe the tip regularly on a damp cleaning sponge or brass wool. Do not use a file, sandpaper or other abrasives – they damage the surface layer of the tip.

- Do not use the tip as a lever or for scraping, and do not expose it to impacts.
- Do not set an unnecessarily high temperature and do not leave the iron hot for long periods between soldering – this wears the tip faster.
- **Before switching off the iron, apply a little solder to the working surface of the tip** and let the tip cool down in this state. A tinned tip is protected against oxidation.
- The tip is a consumable – it gradually wears with normal use.

2.4 Troubleshooting

Problem	Cause and solution
TS100 shows **Sen-err**	The tip is not installed properly. Disconnect the iron, insert the tip again as far as it will go and tighten the setscrew.
Solder does not wet the tip, the tip is dark	The working surface is oxidised. Clean the tip with brass wool, use flux and tin the tip again.
The tip does not solder even after cleaning	The surface layer of the tip is worn or damaged. Replace the tip.

3. Information for the EU and Czech Market

3.1 Importer and responsible person in the EU

The product is placed on the European Union market by the importer stated below, who is at the same time the responsible person within the meaning of Article 16 of Regulation (EU) 2023/988 of the European Parliament and of the Council on general product safety (GPSR).

Importer / responsible person in the EU	Rotorama, s.r.o.
Company ID (IČO)	051 57 692
VAT ID (DIČ)	CZ05157692
Registered office	Okrajová 1351, 674 01 Třebíč, Czech Republic
E-mail	info@rotorama.cz
Phone	+420 252 252 098
Website	www.rotorama.com

3.2 Disposal



- The crossed-out wheeled bin symbol on the product, its packaging or in the documentation means that at the end of its service life the product **must not be disposed of together with mixed municipal waste**.
- Hand it over at a take-back point for electrical equipment – at a collection yard, at a take-back point of a collective system, or at the retailer when purchasing a new equivalent product. Take-back is free of charge for the end user.
- The obligations under Act No. 542/2020 Coll., on end-of-life products, are fulfilled by the importer through a collective take-back system.
- Proper disposal helps prevent negative impacts on the environment and human health and contributes to the reuse of secondary raw materials.

Through its contractual partner **ASEKOL a.s.**, the company ensures the take-back of waste electrical equipment from households and the separate collection of waste electrical equipment, batteries and accumulators in accordance with the applicable legislation. The customer is entitled to hand over old electrical equipment or a battery or accumulator at any collection point of the above contractual partner. The addresses of these take-back points are listed at www.asekol.cz, www.ecobat.cz and also https://visoh2.mzp.cz/RegistrMistZO/RegistrMistZOPublic/MapaMistZpetOdberu.

4. Warranty and rights arising from defective performance

The rights and obligations of the contracting parties are governed by Czech law, in particular by Act No. 89/2012 Coll., the Civil Code, and Act No. 634/1992 Coll., on consumer protection.

- The seller is liable to the buyer for the product being free of defects on receipt. If the buyer is a consumer, a defect may be notified **within two years of receipt** of the product (Section 2165 of the Civil Code).
- If a defect appears within **one year** of receipt, the product is deemed to have been defective already at the time of receipt (Section 2161(5) of the Civil Code).
- When purchasing online, a consumer has the right to **withdraw from the contract within 14 days** of receiving the goods without giving a reason (Section 1829 of the Civil Code).
- Claims should be made with the retailer from whom you purchased the product. The importer's contact details are given in Chapter 3.1.
- The competent body for out-of-court settlement of consumer disputes is the **Czech Trade Inspection Authority**, Štěpánská 796/44, 110 00 Prague 1, www.coi.cz.